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5

Application Number	10/659,152
Filing Date	September 10, 2003
First Named Inventor	Seemeen S. Karimi
Art Unit	2882
Examiner Name	Thomas, Courtney D.
Attorney Docket Number	56230-598 (ANAX-240)

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Issue Fee Transmittal Comments on Examiner's Statement of Reasons for Allowance
<b>Remarks</b>		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	McDermott Will & Emery LLP		
Signature	<i>Elizabeth E. Kim</i>		
Printed name	Elizabeth E. Kim		
Date	October 4, 2005	Reg. No.	43,394

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PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Karimi et al.  
Serial No: 10/659,152  
Filing Date: September 10, 2003  
Title: HELICAL INTERPOLATION FOR AN ASYMMETRIC MULTI-SLICE SCANNER  
Examiner: Thomas, Courtney D.  
Art Unit: 2882  
Attorney Docket: 56230-598 (ANAK-240)  
Customer No: 23630

CERTIFICATE OF FACSIMILE

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Date: 10-4-05

  
Deborah Celeste

**COMMENTS ON EXAMINER'S STATEMENT OF  
REASONS FOR ALLOWANCE UNDER 37 CFR 1.104(e)**

Via Facsimile: 571-273-2885

Mail Stop Issue Fee  
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P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicants note with appreciation Applicants' receipt of a Notice of Allowance and a Notice of Allowability dated July 29, 2005, for the above-referenced case. In the Notice of Allowance and in the Notice of Allowability, claims 1-24 of the above-referenced case have been allowed.

An Examiner's Statement of Reasons for Allowance was attached to the Notice of Allowability. In section 3, the Examiner stated that, per claims 1 and 16 and dependent claims 2-15 and 17-24 respectively, the Examiner found no reference in the prior art that disclosed or made obvious a CT system (and corresponding method)

comprising:

"an interpolator, configured to interpolate projection data from each detector element onto a slice plane by multiplying data with helical interpolation weights; wherein for projection data resulting from detector rays lying within a symmetric region of an X ray beam, the helical interpolation weights that weigh the data from complementary rays in proportion to the distance from each detector element row to the slice plane; and wherein for projection data resulting from detector rays that lie within an asymmetric region of the X-ray beam, the helical interpolation weights are direct interpolation weights that weigh the data at a given azimuthal angle from different rows in proportion to the distance from each detector element row to the slice plane, as recited in independent claims 1 and 16."

Applicants respectfully submit that, in view of the plain language of the allowed claims, the paragraph set forth above between quotation marks should be modified as follows:

"an interpolator, configured to interpolate projection data from each detector element onto a slice plane by multiplying data with helical interpolation weights; wherein for projection data resulting from detector rays lying within a symmetric region of an X ray beam, the helical interpolation weights are complementary interpolation weights that weigh the data from complementary rays in proportion to the distance from each detector element row to the slice plane; and wherein for projection data resulting from detector rays that lie within an asymmetric region of the X-ray beam, the helical interpolation weights are direct interpolation weights that weigh the data at a given azimuthal angle from different rows in proportion to the distance from each detector element row to the slice plane, as recited in independent claims 1 and 16."

Applicants further note that independent claim 16 is directed to "A method of reconstructing at least one image of an object."

Entry of the Statement of Reasons for Allowance should not be construed as any agreement with or acquiescence by Applicants with regard to the reasoning stated by the Examiner. It is submitted that the scope of the allowable claims should be readily apparent from the plain language of the claims, the specification, and the prosecution history, without need for consideration of the Examiner's Statement.

Applicants submit that claims 1-24 in the above-referenced case may be allowable for reasons in addition to, or in lieu of, those identified by the Examiner in the Statement of Reasons for Allowance.

Further, Applicants hereby disavow any admissions regarding the prior art status of any document in the record.

Respectfully submitted,



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Date: October 4, 2005

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